

Steps: (1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed

(1)

$$8 \overline{)62818}$$

(2)

$$8 \overline{)49628}$$

(3)

$$5 \overline{)73493}$$

(4)

$$6 \overline{)39328}$$

(5)

$$8 \overline{)62586}$$

(6)

$$7 \overline{)73557}$$

Steps: (1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed

Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<p>(1)</p> $ \begin{array}{r} 7852 \text{ R2} \\ 8 \overline{) 62818} \\ \underline{- 56} \qquad (7 \times 8) \\ 68 \\ \underline{- 64} \qquad (8 \times 8) \\ 41 \\ \underline{- 40} \qquad (5 \times 8) \\ 18 \\ \underline{- 16} \qquad (2 \times 8) \\ \text{Remainder --> } 2 \end{array} $	<p>(2)</p> $ \begin{array}{r} 6203 \text{ R4} \\ 8 \overline{) 49628} \\ \underline{- 48} \qquad (6 \times 8) \\ 16 \\ \underline{- 16} \qquad (2 \times 8) \\ 02 \\ \underline{- 0} \qquad (0 \times 8) \\ 28 \\ \underline{- 24} \qquad (3 \times 8) \\ \text{Remainder --> } 4 \end{array} $	<p>(3)</p> $ \begin{array}{r} 14698 \text{ R3} \\ 5 \overline{) 73493} \\ \underline{- 5} \qquad (1 \times 5) \\ 23 \\ \underline{- 20} \qquad (4 \times 5) \\ 34 \\ \underline{- 30} \qquad (6 \times 5) \\ 49 \\ \underline{- 45} \qquad (9 \times 5) \\ 43 \\ \underline{- 40} \qquad (8 \times 5) \\ \text{Remainder --> } 3 \end{array} $
<p>(4)</p> $ \begin{array}{r} 6554 \text{ R4} \\ 6 \overline{) 39328} \\ \underline{- 36} \qquad (6 \times 6) \\ 33 \\ \underline{- 30} \qquad (5 \times 6) \\ 32 \\ \underline{- 30} \qquad (5 \times 6) \\ 28 \\ \underline{- 24} \qquad (4 \times 6) \\ \text{Remainder --> } 4 \end{array} $	<p>(5)</p> $ \begin{array}{r} 7823 \text{ R2} \\ 8 \overline{) 62586} \\ \underline{- 56} \qquad (7 \times 8) \\ 65 \\ \underline{- 64} \qquad (8 \times 8) \\ 18 \\ \underline{- 16} \qquad (2 \times 8) \\ 26 \\ \underline{- 24} \qquad (3 \times 8) \\ \text{Remainder --> } 2 \end{array} $	<p>(6)</p> $ \begin{array}{r} 10508 \text{ R1} \\ 7 \overline{) 73557} \\ \underline{- 7} \qquad (1 \times 7) \\ 03 \\ \underline{- 0} \qquad (0 \times 7) \\ 35 \\ \underline{- 35} \qquad (5 \times 7) \\ 05 \\ \underline{- 0} \qquad (0 \times 7) \\ 57 \\ \underline{- 56} \qquad (8 \times 7) \\ \text{Remainder --> } 1 \end{array} $